

YOR 92003.016.9
Gustavson et al
SCK

Matrix Operation: $C = C - A^T * B$

$j = 0, N-1, NB$
 $i = 0, M-1, MB$
 $l = 0, K-1, KB$

Matrix C
(Entire matrix usually
stored in column major format)

Matrix A
(Entire matrix usually
stored in row major format)

Matrix B
(Entire matrix usually
stored in column
major format)

107
MB x NB Submatrix:
 $C(i:i+MB-1, j:j+NB-1)$

105
MB x KB Submatrix:
 $A(l:l+KB-1, i:i+MB-1)$
of block row vector
 $A(0:KB-1, i:i+MB-1)$

106
KB x NB Submatrix:
 $B(l:l+KB-1, j:j+NB-1)$
of block
column vector
 $B(0:K-1, j:j+NB-1)$

FIGURE 1

Y0R92030169U21

200

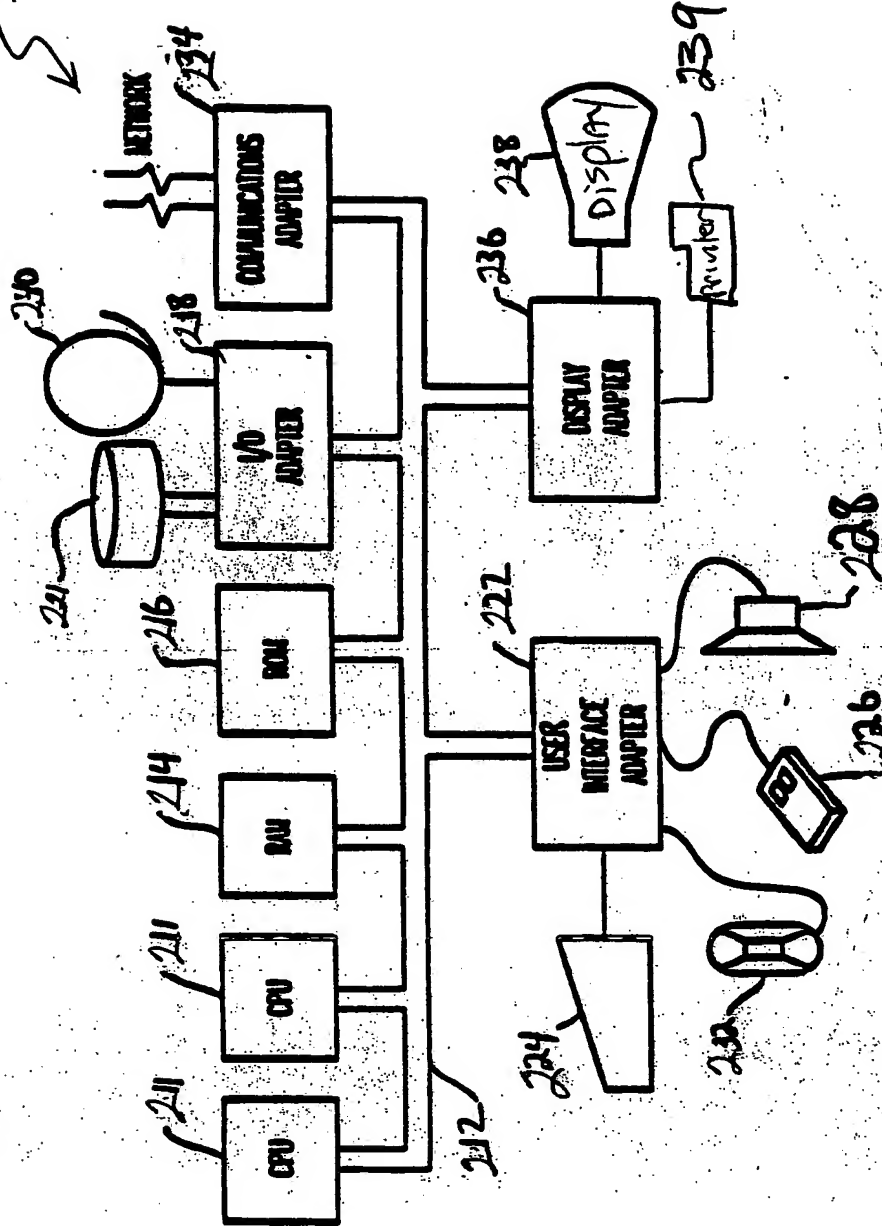


FIGURE 2

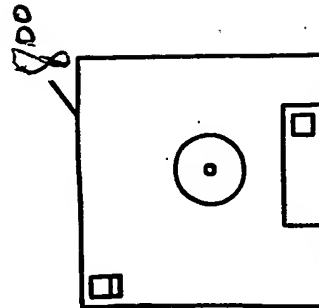


FIGURE 8

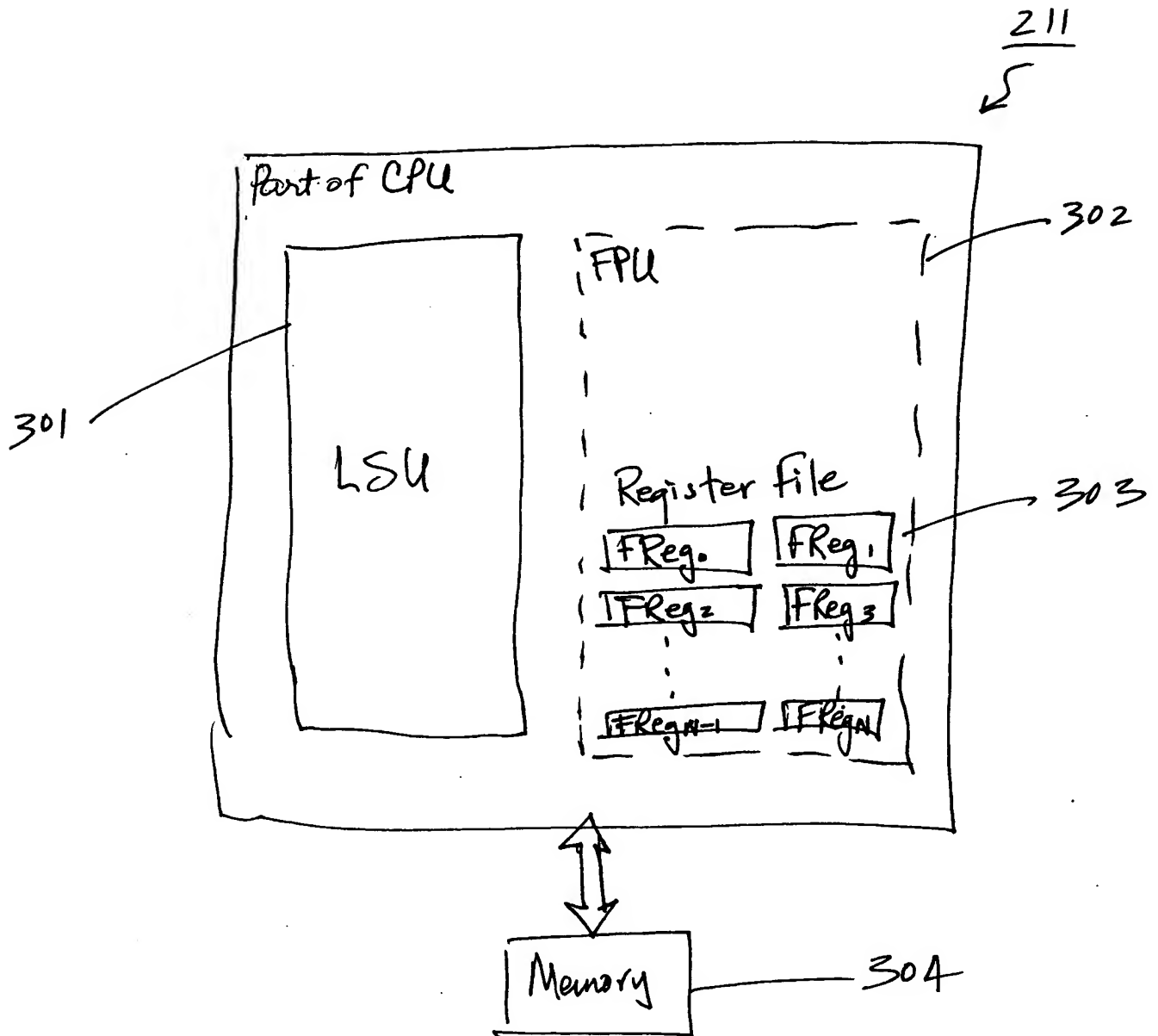


FIGURE 3

YOR920030169US1

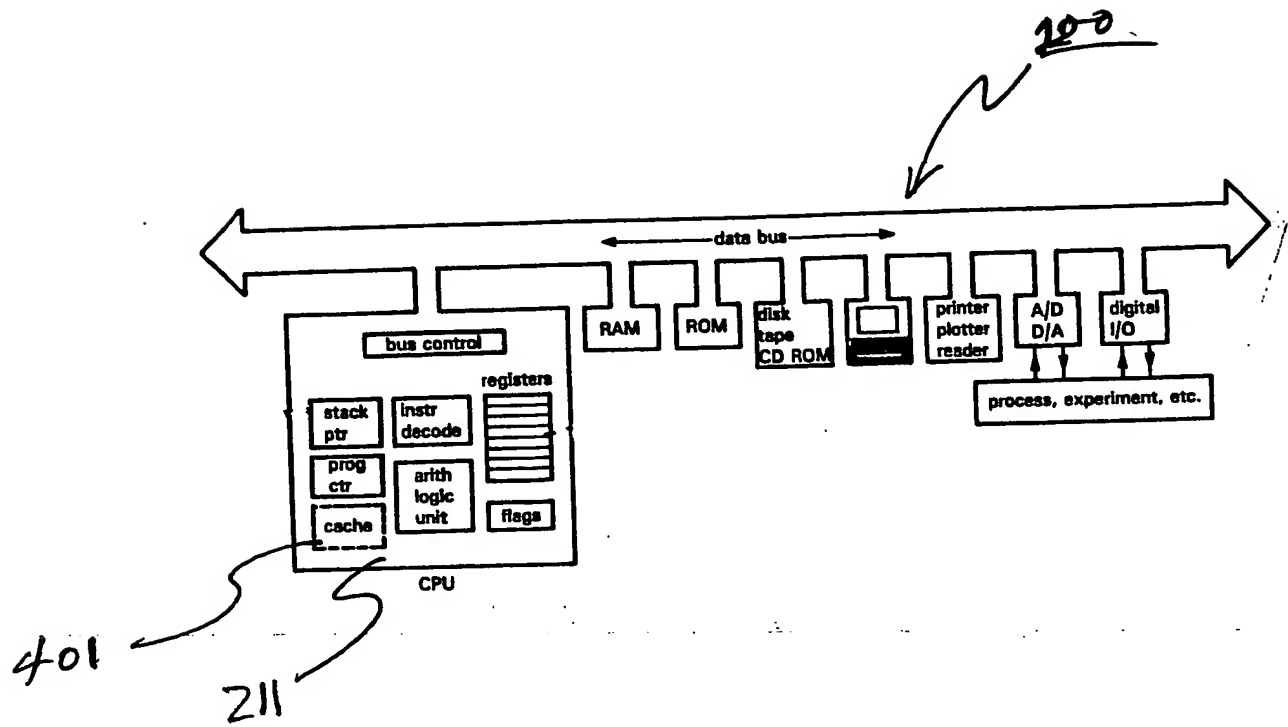


FIGURE 4

YOR 9200 30169 US1

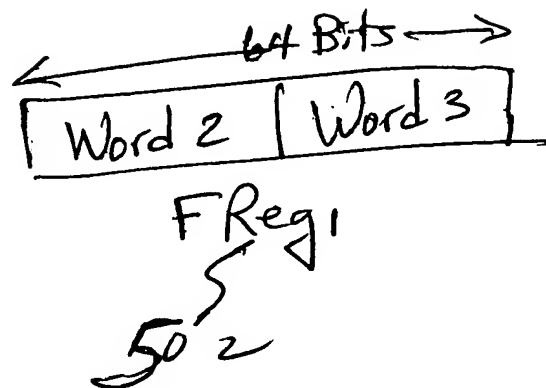
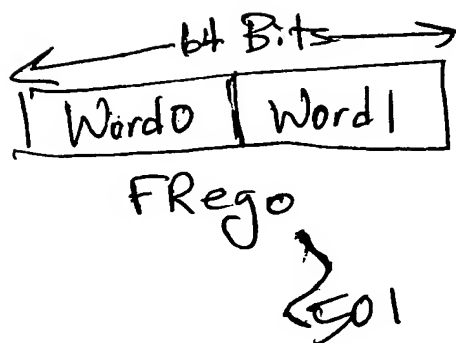


FIGURE 5

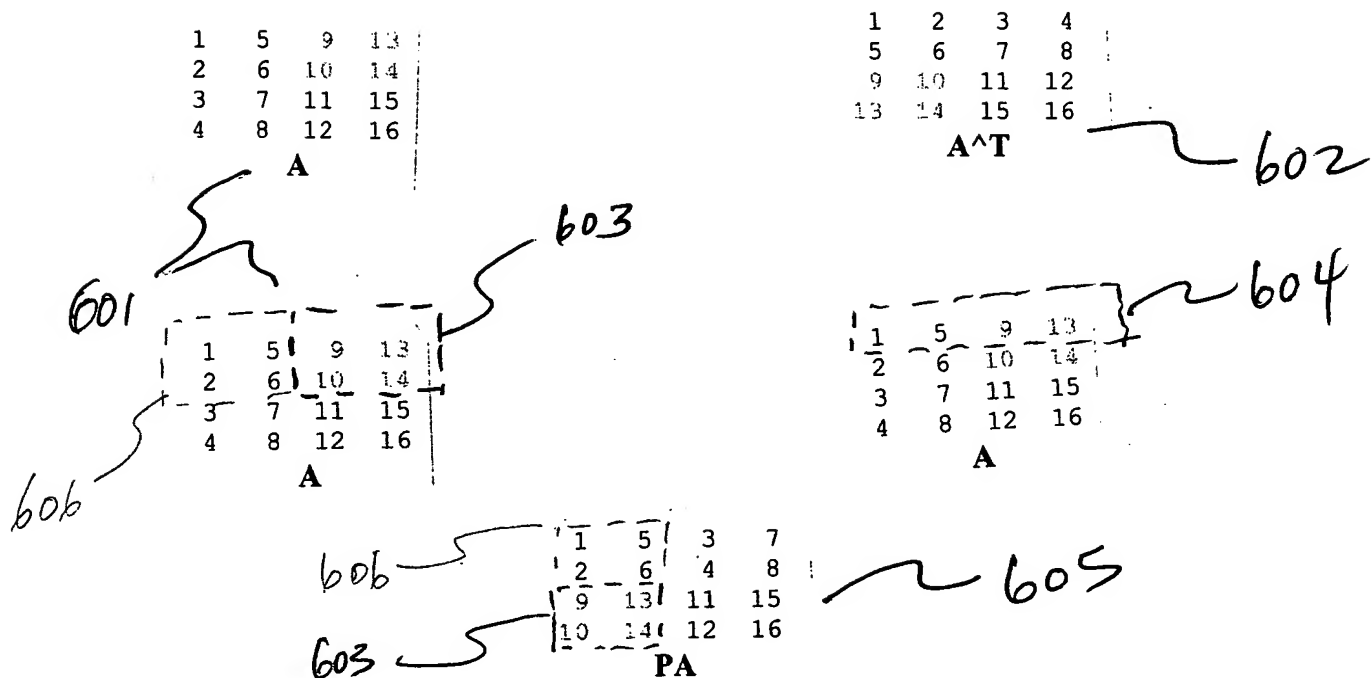


FIGURE 6

YOR920030169 US1

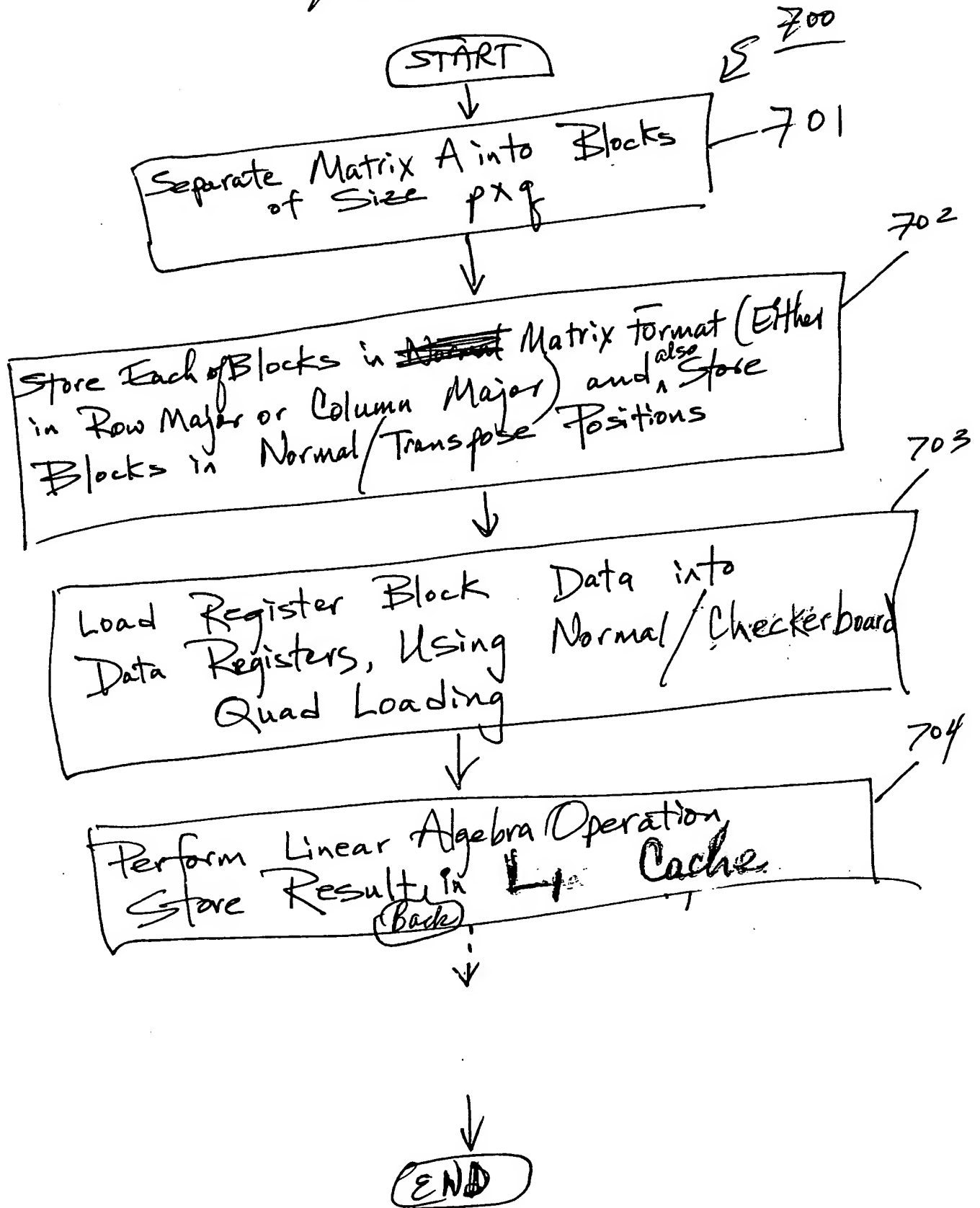


FIGURE 7